

Foreword

How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason, forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are terms reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola, Suite 200, Phoenix, AZ 85012
Colorado	2490 West 26th Ave., Denver, CO 80211
New Mexico	517 Gold Ave. S.W., Room 3301, Albuquerque, NM 87102-3157
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	1201 Terminal Way, Room 219, Reno, NV 89502
Oregon	1220 Southwest 3rd Ave., Room 1640, Portland, OR 97204
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201-1080
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82601

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 248, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Environment Technical Services Division, 9820 106th St., Edmonton, Alberta T5K 2J6.

Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

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**Programs and assistance of the United States Department of Agriculture are
available without regard to race, creed, color, sex, age, or national origin.**

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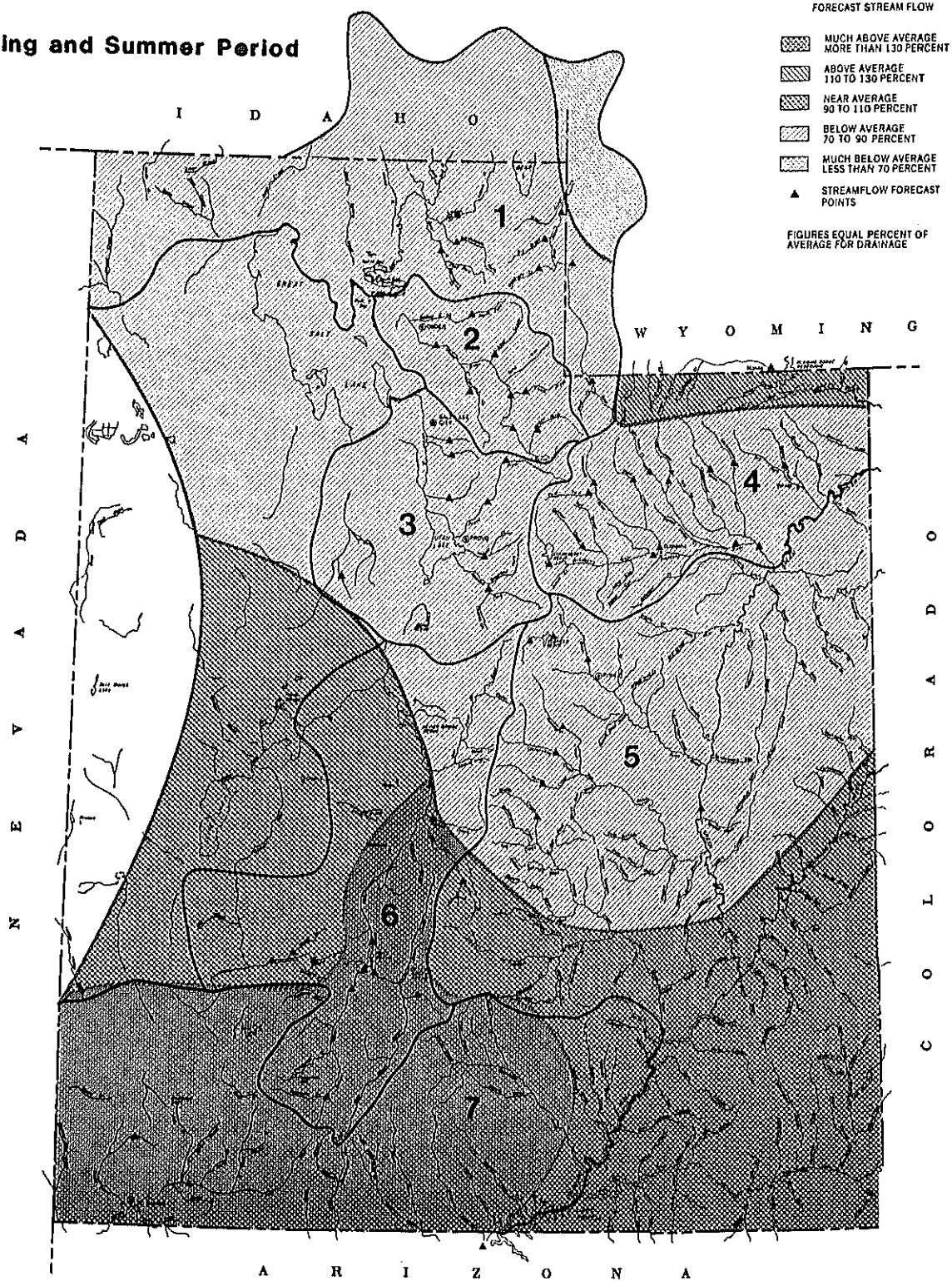
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Streamflow Prospects for Utah

Spring and Summer Period



- 1 BEAR RIVER BASIN
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- 3 UTAH LAKE, JORDAN RIVER & TOOELE VALLEY
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GENERAL OUTLOOK

SUMMARY:

Snowpack accumulation in northern Utah, although improved from one month ago and greater than last year, is still generally 20 to 40% less than average. Snow accumulation in the southern half of the state, in contrast, has near to above average snow water content.

SNOWPACK:

Snowpack accumulation in January followed the trend of previous months. Watersheds north of approximately Spanish Fork Canyon received near to below average snow water increase while watersheds to the south received above to much above average additional accumulations. The greatest positive departure from normal occurred on the Sevier River watershed with 38% greater than normal January increase. The greatest negative departure from normal occurred on the Bear River watershed which increased 16% less than normal during January. Total snow water accumulation for the water year as of February 1 ranges from 68% of average on the Bear River watershed to 111% of average in the southwestern Utah watersheds of East Garfield, Kane, Washington and Iron counties.

PRECIPITATION:

Precipitation on mountain stations during January was near normal in northern Utah and above to much above normal in southern Utah. Precipitation at valley stations had a similar distribution with stations in northern Utah receiving 70-90% of average while southern stations received 130-200% of average. Water year accumulations at valley stations are near 80% in northern Utah and 150-200% of average in southern Utah.

RESERVOIRS:

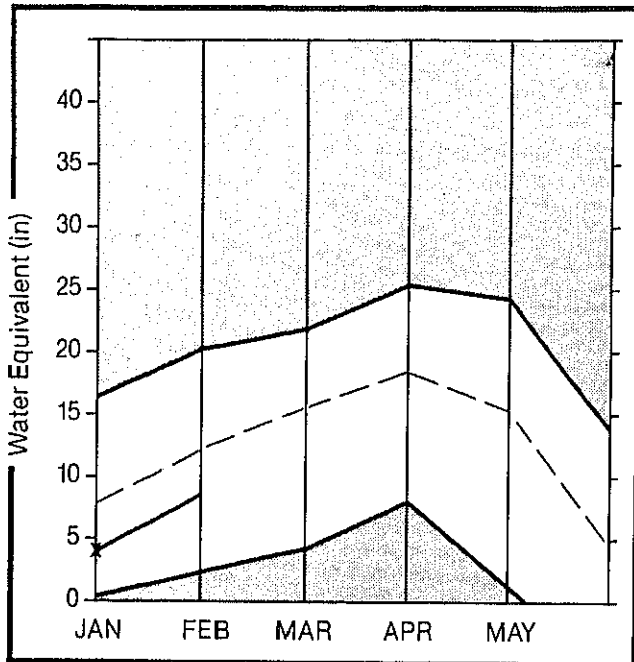
Reservoir storage at the end of January in 26 key irrigation reservoirs was 115% of average and 76% of capacity. Last year at this time these reservoirs held 85% of their cumulative capacity. Normally they are storing only 66% of capacity on this date. Reservoir operators are holding releases to a minimum in anticipation of potential low flows forecast this spring and summer on northern Utah streams.

STREAMFLOW:





Water supply forecasts for the upcoming irrigation season range from 60% of the April-July average on the Bear near Randolph to 143% on the Sevier below Piute Dam. Most forecasts in the northern part of the state are below to much below average. South of Gunnison (approximately) prospects improve to near to much above average with most forecasts on the upper Sevier and Virgin 30 to 40% above average. All forecasts assume normal precipitation, snow accumulation and melt from now through the end of the forecast period.

Bear River Basin

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
Minimum  Current 

WATER SUPPLY OUTLOOK:

Snowpack on the Bear River watershed as of February 1 ranges from 65% on the lower Bear to 71% on the upper Bear. Snowpack accumulation during January was only 84% of normal. Accumulations during February and March would have to be 63% greater than average in order to reach average by April 1 (this amount of increase would be highly unlikely). Spring and summer streamflow is forecast below to much below average. Reservoir storage is near to much above average in the reservoirs for which data are available.

For more information contact your local
Soil Conservation Service Office:
Tremonton Field Office 801-257-5403
Logan Field Office 801-753-5616

BEAR RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	HIST. PROBABLE (1000AF)	HIST. PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BEAR RIVER near UT-WY Stateline	APR-JUL	116.0	100.0	86	135.0	116	65.0	56
BEAR near Woodruff	APR-JUL	150.0	110.0	73	175.0	130	30.0	20
WOODRUFF CREEK near Woodruff	APR-JUL	17.3	13.8	80	20.0	116	9.0	52
BTG CREEK near Randolph	APR-JUL	5.3	4.2	79	7.0	132	1.0	19
BEAR near Randolph	APR-JUL	126.0	76.0	60	150.0	119	40.0	32
SMITHS FORK near Border	APR-SEP	119.0	77.0	65	100.0	84	45.0	38
THOMAS FORK near Stateline	APR-SEP	35.0	24.0	69	35.0	100	14.0	40
BEAR RIVER near Harer	APR-SEP	310.0	185.0	60	330.0	106	80.0	26
CUB RIVER near Preston	APR-JUL	46.8	35.0	75	65.0	139	10.0	21
LITTLE BEAR RIVER near Paradise	APR-JUN	42.0	34.0	81	60.0	143	10.0	24
LOGAN RIVER near Logan	APR-JUL	122.0	96.0	79	135.0	111	55.0	45
BLACKSMITH FORK near Hyrum	APR-JUL	51.0	44.0	90	70.0	137	20.0	39

RESERVOIR STORAGE

(1000AF)

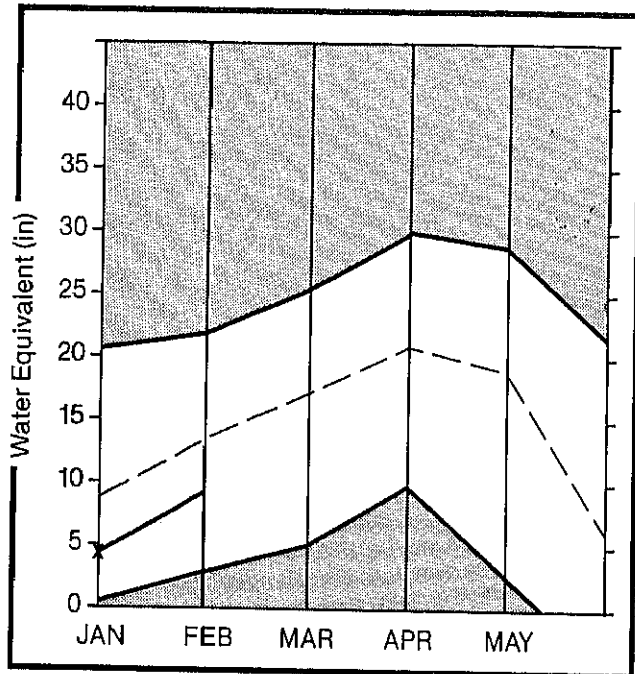
WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AUG.	WATERSHED	NO. COURSES AUG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
BEAR LAKE	1421.0	1013.4	1052.9	987.6	BEAR RIVER, UPPER IN UTAH	6	150	73
HYRUM	15.3	10.1	10.9	10.3	BEAR RIVER, LOWER IN UTAH	10	144	67
PORCUPINE	11.3	4.5	10.5	2.9	BEAR R. DRAINAGE IN UTAH	15	140	69
WOODRUFF NARROWS		NO REPORT			BEAR RIVER, UPPER	11	133	72
WOODRUFF CREEK		NO REPORT			BEAR RIVER, LOWER	16	130	65
					BEAR RIVER DRAINAGE	25	137	68
					LOGAN RIVER	5	153	64
					RAFT RIVER	0	0	0
					BEAR RIVER BASIN	27	136	68

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

Weber & Ogden Watersheds

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
Minimum  Current 

WATER SUPPLY OUTLOOK:

February 1 snowpack on the Weber River watershed has 70% of normal water equivalent. During January, the watershed received normal snow accumulation. The likelihood of reaching average by April 1 is approximately 2 in 25 years when February 1 snowpack is as low as this year. Streamflow forecasts range from 71 to 83% of the April-June average. Reservoir storage in the Weber-Ogden basin is 104% of average and 62% of capacity. Last year at this time storage was at 80% of capacity.

For more information contact your local
Soil Conservation Service Office:
Layton Sub Office 801-544-9144

WEBER & OGDEN WATERSHEDS in Utah

STREAMFLOW FORECASTS

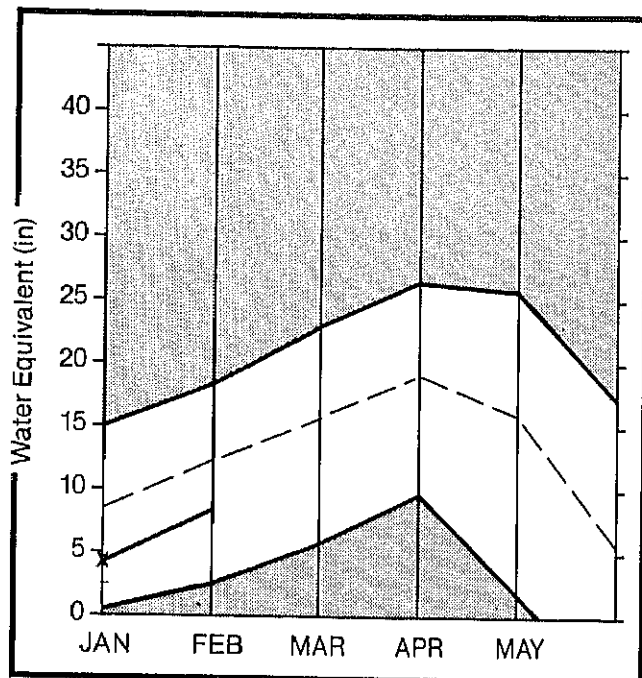
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
SOUTH AND MOOREHOUSE CREEK near Oakley	APR-JUN	30.1	25.0	83	35.0	116	15.0	50
WEBER RIVER near Oakley	APR-JUN	107.0	85.0	79	120.0	112	55.0	51
ROCKPORT RESERVOIR inflow	APR-JUN	120.0	93.0	78	150.0	125	45.0	38
CHALK CREEK near Coalville	APR-JUN	41.0	33.0	80	50.0	122	15.0	37
WEBER RIVER near Coalville	APR-JUN	127.0	91.0	72	140.0	110	50.0	39
ECHO RESERVOIR inflow	APR-JUN	163.0	125.0	77	195.0	113	70.0	43
LOST CREEK near Croyden	APR-JUN	15.6	12.5	80	20.0	128	4.0	26
EAST CANYON CREEK near Morgan	APR-JUN	29.0	22.0	76	35.0	121	10.0	34
HARDSCRABBLE CREEK near Porterville	APR-JUN	18.4	14.4	78	26.0	141	5.0	27
WEBER RIVER at Gateway	APR-JUN	328.0	232.0	71	340.0	104	130.0	40
SOUTH FORK OGDEN RIVER near Huntsvil	APR-JUN	58.0	48.0	83	70.0	121	30.0	52
PINEVIEW RESERVOIR inflow	APR-JUN	122.0	89.0	73	120.0	98	50.0	41
WHEELER CREEK near Huntsville	APR-JUN	6.8	4.8	76	6.0	95	3.0	48
FARMINGTON CREEK near Farmington	APR-JUL	8.2	6.2	76	11.0	134	3.0	37

RESERVOIR STORAGE (1000AF)		WATERSHED SNOWPACK ANALYSIS	
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR LAST YEAR AVG.	WATERSHED NO. COURSES AVG'D THIS YEAR AS % OF LAST YR. AVERAGE
CAUSEY	7.1	3.8 4.1 2.2	OGDEN RIVER 4 107 68
EAST CANYON	48.1	32.0 41.9 31.7	WEBER RIVER 13 120 70
ECHO	73.9	53.7 62.8 45.8	WEBER & OGDEN WATERSHEDS 17 116 70
LOST CREEK	20.0	17.0 14.5 13.1	
PINEVIEW	110.1	10.1 67.8 49.6	
ROCKPORT	60.9	22.2 44.3 31.9	
WILLARD BAY	165.5	130.8 151.5 110.6	

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

Utah Lake, Jordan River & Tooele Valley

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
Minimum  Current 

WATER SUPPLY OUTLOOK:

The Provo River watershed received near normal accumulation of snow during January. Total snow water accumulation for the water year is 68% of normal for February 1. Spring and summer streamflow is forecast 62 to 92% of average. Some select forecasts are: Provo below Deer Creek Dam 75%, Utah Lake inflow 85%, Big Cottonwood Creek near SLC 82% and South Willow Creek near Grantsville 77% of the April-July average. Stored water in area reservoirs is 88% of capacity and 119% of average.

For more information contact your local
Soil Conservation Service Office:
Midvale Field Office 801-524-4373
Provo Field Office 801-377-5580

UTAH LAKE, JORDAN RIVER & TOOELE VALLEY

STREAMFLOW FORECASTS

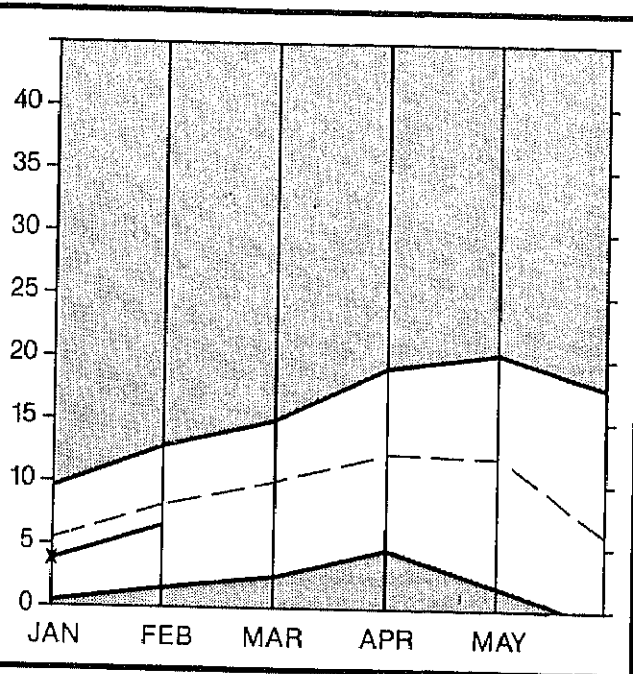
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	HIST. PROBABLE (1000AF)	HIST. PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
SALT CREEK near Hphi	APR-JUL	13.5	11.8	87	25.0	185	5.0	37
PAYSON CREEK near Payson	APR-JUL	7.3	5.5	75				
HOBBLE CREEK near Springville	APR-JUL	23.3	14.5	62				
PROVO near Hailstone	APR-JUL	113.0	85.0	75	130.0	115	50.0	44
PROVO below Deer Creek Dam	APR-JUL	133.0	100.0	75	145.0	109	45.0	34
AMERICAN FORK near American Fk.	APR-JUL	34.0	23.0	68	31.0	21	15.0	44
UTAH LAKE inflow	APR-JUL	295.0	250.0	85	350.0	119	145.0	49
LITTLE COTTONWOOD CRK near SLC	APR-JUL	41.0	31.0	76	40.0	98	20.0	49
BIG COTTONWOOD CRK near SLC	APR-JUL	39.0	32.0	82	40.0	103	25.0	64
PARLEY'S CREEK near SLC	APR-JUL	17.0	12.0	71	20.0	118	7.0	41
MILL CREEK near SLC	APR-JUL	6.9	5.5	80	9.0	130	3.0	43
EMIGRATION CREEK near SLC	APR-JUL	4.6	3.0	65				
CITY CREEK near SLC	APR-JUL	9.0	7.0	78	9.0	100	5.0	56
VERNON CREEK near Vernon	APR-JUN	1.2	1.1	92	2.0	167	0.4	29
SETTLEMENT CREEK near Tooele	APR-JUL	2.3	1.9	83	3.0	130	1.0	43
SOUTH WILLOW CREEK near Grantsville	APR-JUL	3.0	2.3	77	4.0	133	1.0	33

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE	
DEER CREEK	149.6	108.5	121.0	94.3	PROVO RIVER & UTAH LAKE	10	176	71
GRANTSVILLE	3.3	1.6	2.6	---	PROVO RIVER	5	170	69
SETTLEMENT CREEK	1.0	0.8	0.8	0.5	JORDAN RIVER & GREAT SALT	5	97	70
STRAWBERRY-ENLARGED	951.4	476.1	531.9	---	TOOELE & VERNON M.S.'S	2	---	---
UTAH LAKE	855.5	776.7	893.2	618.6	UTAH L.-JORDAN R.-TOOELE	17		
VERNON CREEK	0.6	0.4	0.3	0.5				

- 1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

Uintah Basin & Dagget SCD's

Mountain snowpack* (inches)



Based on selected stations

Minimum ———
 Maximum ———
 Average ———
 Current ———

WATER SUPPLY OUTLOOK:

Snow water equivalent on the Uintahs is 77% of the February average. Individual basins range from 60 to 93% of average. Accumulation was normal in January. Most streams are forecast below average flows next irrigation season. Henry's Fork, the exception, is forecast 100% of the April-September average. Reservoir storage is very good ranging from 135% of average in Moon Lake and Steinaker to 142% in Starvation. At the end of January these reservoirs are normally only holding 63% of capacity compared to 89% this year.

For more information contact your local
 Soil Conservation Service Office:
 Roosevelt Field Office 801-722-4621

UNTAM BASIN & DARGET SCD'S

STREAMFLOW FORECASTS

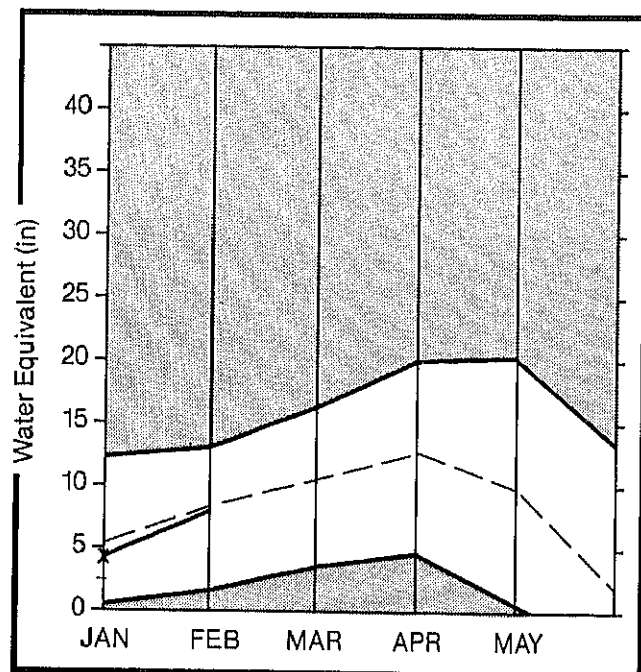
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	HIST. PROBABLE (1000AF)	HIST. PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BLACK'S FORK near Hillburne	APR-JUL	90.0	83.0	92	120.0	133	50.0	56
HENRY'S FORK near Manila	APR-SEP	51.0	55.0	108	80.0	157	35.0	69
FLAMING GORGE RESERVOIR inflow	APR-SEP	1441.0	1115.0	77	1550.0	108	725.0	50
ASHLEY CREEK near Vernal	APR-JUL	52.0	44.0	85	60.0	115	30.0	58
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	28.0	20.0	71	30.0	107	10.0	36
DUCHESNE RIVER near Tabiona	APR-JUL	105.0	84.0	82	110.0	105	60.0	57
ROCK CREEK near Mountain Home	APR-JUL	95.0	80.0	84	110.0	116	60.0	63
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	150.0	79	200.0	106	100.0	53
CURRENT CREEK near Fruitland	APR-JUL	20.0	14.0	70	20.0	100	9.0	45
STRAWBERRY RESERVOIR inflow	APR-JUL	60.0	40.0	67	55.0	72	20.0	33
STRAWBERRY RIVER at Duchesne	APR-JUL	69.0	51.0	74	70.0	101	30.0	43
LAKEFORK RIVER near Mountain Home	APR-JUL	70.0	65.0	93	90.0	127	45.0	64
YELLOWSTONE RIVER near Altonah	APR-JUL	66.0	57.0	86	80.0	121	30.0	45
DUCHESNE near Hyton	APR-JUL	223.0	170.0	76	250.0	112	65.0	29
UNTAM RIVER near Neola	APR-JUL	86.0	71.0	83	110.0	128	35.0	41
WHITE ROCKS RIVER near Whiterocks	APR-JUL	60.0	48.0	80	75.0	125	20.0	33
DUCHESNE near Randlett	APR-JUL	257.0	210.0	82	400.0	156	75.0	29

RESERVOIR STORAGE (1000AF)		WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **	WATERSHED	THIS YEAR AS % OF
		THIS YEAR		1961-85
FLAMING GORGE	3749.0	3102.0	UPPER GREEN RIVER in UTAH	9
HOON LAKE	35.8	20.8	ASHLEY CREEK	2
RED FLEET	26.0	20.8	BLACK'S FORK RIVER	3
STEADAKER	33.3	26.5	SHEEP CR	
STARVATION	165.3	160.7	OH	
STRAWBERRY-ENLARGED	951.4	676.1	LA	

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The average is computed for the 1961-85 base period.

Carbon, Emery, Wayne, Grand, and San Juan Co.

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
Minimum  Current 

WATER SUPPLY OUTLOOK:

Southeastern Utah snowpack is generally above average in water content following January storms which increased the snowpack 30% more than usual for the month. The Abajo and La Sal Mountains have 105%, the San Rafael watershed 93% and the Price River watershed 95% of normal February 1 water equivalent. Streams are generally forecast near normal flows this coming irrigation season. Water stored in area reservoirs is above average. Usable storage this year is 62% of capacity as of the end of January.

For more information contact your local
Soil Conservation Service Office:
Price Field Office 801-637-0041

CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co.

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
COLORADO near Cisco, IN	APR-JUL	3457.0	3600.0	104	5295.0	153	2250.0	65
MILL CREEK near Moab	APR-JUL	5.5	5.6	102	8.0	145	3.0	55
GREEN near Green Rv., UT	APR-JUL	3182.0	2850.0	90	3900.0	123	1800.0	57
GOOSEBERRY CREEK near Scofield	APR-JUL	12.0	10.7	91	16.0	133	6.0	50
SCOFIELD RESERVOIR inflow	APR-JUL	46.0	38.0	83	55.0	120	25.0	54
PRICE near Heiner	APR-JUL	78.0	73.0	94				
ELECTRIC LAKE Inflow	APR-JUL	15.1	14.0	93	20.0	132	10.0	66
HUNTINGTON CREEK near Huntington	APR-JUL	55.0	49.0	89	70.0	127	35.0	64
COTTONWOOD CREEK near Orangeville	APR-JUL	47.0	44.0	94	65.0	138	25.0	53
FERRON CREEK near Ferron	APR-JUL	41.0	35.0	85	55.0	134	15.0	37
SEVEN MILE CREEK near Fish Lake	APR-JUL	6.5	6.5	100	10.0	154	3.0	46
MUDDY CREEK near Emery	APR-JUL	21.0	17.0	81	30.0	143	10.0	48
NAVAJO RESERVOIR inflow	APR-JUL	744.0	800.0	105	1200.0	157	490.0	64
SAN JUAN near Bluff, UT	APR-JUL	1091.0	1100.0	101	1725.0	158	595.0	55

RESERVOIR STORAGE (1000AF)		WATERSHED SNOWPACK ANALYSIS						
RESERVOIR	USEABLE CAPACITY	%% USEABLE STORAGE			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			LAST YR.	AVERAGE
HUNTINGTON NORTH	3.9	3.6	3.5	2.3	PRICE RIVER	3	246	95
JOE'S VALLEY	61.6	43.5	45.9	43.6	SAN RAFAEL RIVER	7	196	93
KEN'S LAKE	2.3	0.9	0.7	---	MUDDY RIVER	2	185	69
MILL SITE	16.7	5.3	11.3	3.5	FREMONT RIVER	4	103	94
SCOFIELD	45.8	89.5	50.6	31.3	LASAL MOUNTAINS	2		
					BLUE MOUNTAINS	2		
					WILLOW CREEK - WHITE RIVER	2		
					SOUTHEASTERN UTAH	21		

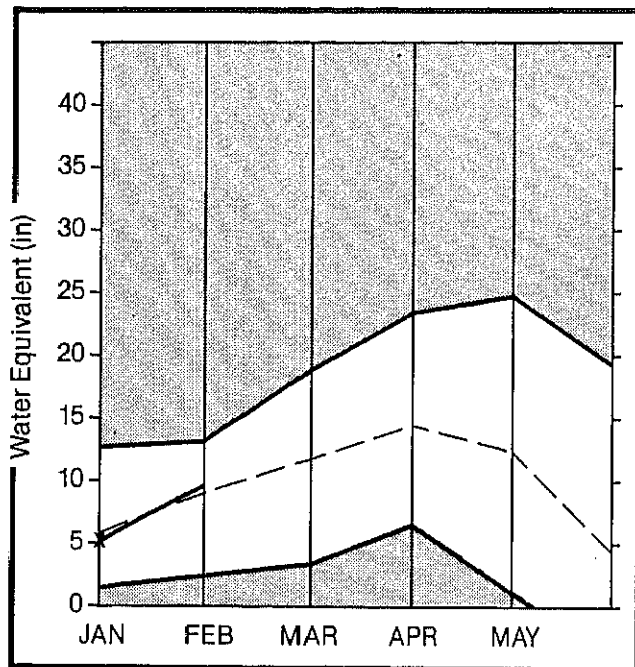
1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

Sevier & Beaver River Basins

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
Minimum  Current 

WATER SUPPLY OUTLOOK:

Snowpack on the Sevier River watershed increased 38% more than usual during January leaving total seasonal accumulation at 103% of the February 1 average. Percentages increase from north to south. The lower Sevier is 97%, the upper Sevier is 104% and the Beaver River watershed is 124% of average. Forecasts of spring and summer streamflows generally increase from north to south. Forecasts range from much below average in the north to much above normal in the south. Stored water is 66% above average and 77% of capacity.

For more information contact your local
Soil Conservation Service Office:
Richfield Field Office 801-896-6261
Fillmore Field Office 801-743-6655

SEVIER & BEAVER RIVER BASINS

STREAMFLOW FORECASTS

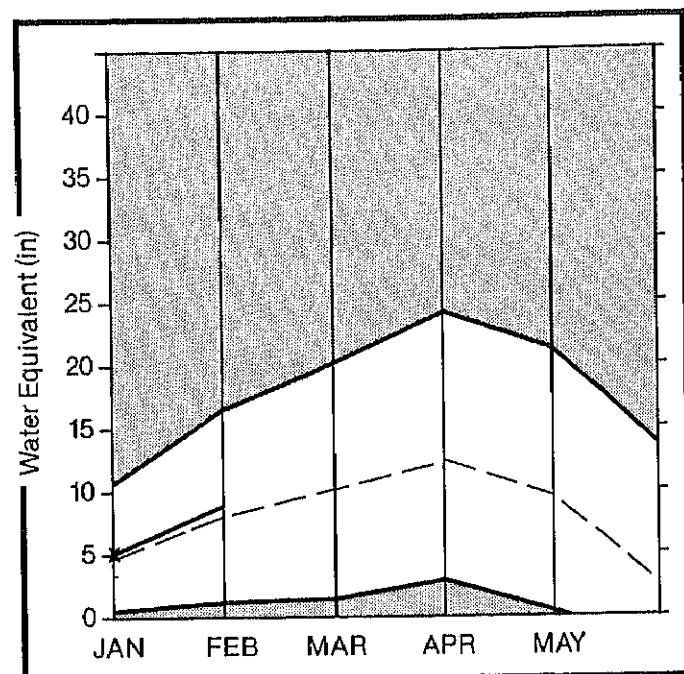
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	HIST. PROBABLE (1000AF)	HIST. PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
SEVIER at Hatch	APR-JUL	52.0	70.0	135	95.0	183	50.0	96
SEVIER near Circleville	APR-JUL	44.0	60.0	136				
SEVIER near Kingston	APR-JUL	34.0	45.0	132	80.0	235	70.0	59
ANTHONY CREEK near Anthony	APR-JUL	8.9	10.0	112				
E F SEVIER near Kingston	APR-JUL	24.0	34.0	142	55.0	229	25.0	104
SEVIER b/w Piute Dam	APR-JUL	56.0	80.0	143	130.0	232	40.0	71
CLEAR CREEK near Sevier	APR-JUL	22.0	27.0	123				
STURD to GUNNISON	APR-JUL	44.0	60.0	136	110.0	250	20.0	45
KINGSTON to VERMILION DAM	APR-JUN	40.0	52.0	130				
VERMILION DAM to GUNNISON	MAR-JUN	53.6	70.0	131				
SALINA CREEK at Salina	APR-JUN	18.2	15.0	82				
PLEASANT CREEK near Pleasant	APR-JUN	11.5	8.0	70				
EPHRAIM CREEK near Ephraim	APR-JUL	25.0	19.0	76				
SEVIER nr Gunnison	APR-JUL	99.0	120.0	121				
CHICKEN CREEK near Lovan	APR-JUL	3.5	3.5	100	5.0	143	2.0	57
OAK CREEK near Oak City	APR-JUL	1.6	1.5	94	3.0	188	1.0	62
CHALK CREEK near Fillmore	APR-JUL	16.4	16.8	102	25.0	152	10.0	61
BEAVER RIVER near Beaver	APR-JUL	27.0	28.0	104	50.0	185	15.0	56
NORTH CREEK near Beaver (combined)	APR-JUL	14.6	16.0	110	30.0	205	3.0	21
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	12.2	137	20.0	225	7.0	79

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE CAPACITY	** HIST. YEAR	USEABLE STORAGE LAST YEAR	** AVG.	WATERSHED	NO. COURSES AVE'D	THIS YEAR AS % OF LAST YR. AVERAGE
GUNNISON	20.3	12.4	20.3	11.7	W SEVIER (s of Richfield)	11	180 104
MINERSVILLE (RkyFd)	26.0	16.5	18.7	11.2	EAST FORK SEVIER RIVER	4	172 115
OTTER CREEK	52.7	48.7	50.4	27.5	SOUTH FORK SEVIER RIVER	7	184 99
PIUTE	71.8	57.4	65.5	36.9	LOWER SEVIER RIVER	12	180 77
SEVIER BRIDGE	236.0	176.9	219.2	101.1	BEAVER RIVER	3	213 124
PANQUITCH LAKE	22.3	18.7	17.2	---	SEVIER & BEAVER R. BASINS	26	180 103


1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

E. Garfield, Kane, Washington, & Iron Co.

Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

WATER SUPPLY OUTLOOK:

Increases to the snowpack in southwestern Utah were one-fifth greater than normal in January. February water content ranges from 110% of average on the Virgin River to 125% on Coal Creek. Forecasts of flow for this irrigation season on local streams range from 130% of average on Coal Creek to 140% on the Virgin and Santa Clara. Lake Powell Inflow is forecast 93% of average. Quail Creek Reservoir is 95% full and Gunlock 72%. The Enterprise Reservoirs have only 6% of capacity in storage (22% of last year).

For more information contact your local
 Soil Conservation Service Office:
 Cedar City Field Office 801-586-2429

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
LAKE POWELL inflow	APR-JUL	8046.0	7500.0	93	10960.0	136	4445.0	55
VERGIN near Hurricane	APR-JUN	68.0	95.0	140	130.0	191	60.0	88
SANTA CLARA near Pine Valley	APR-JUN	5.0	7.0	140				
COAL CREEK near Cedar City	APR-JUL	20.0	26.0	130	35.0	175	30.0	100

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE CAPACITY	** THIS YEAR	USEABLE STORAGE LAST YEAR	** AUG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE
GUNLOCK	10.4	7.5	5.4	---	VERGIN RIVER	5	315 110
LAKE POWELL	25002.0	0.0	21778.0	---	PAROHAN	4	199 112
QUAIL CREEK	40.0	38.0	---	---	ENTERPRISE TO NEW HARMONY	2	216 114
UPPER ENTERPRISE	---	0.0	0.0	0.0	COAL CREEK	3	298 125
LOWER ENTERPRISE	---	0.0	0.0	0.0	ESCALANTE RIVER	2	77 120
					SOUTHWESTERN UTAH	17	254 111

- 1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
 2 - Corrected for upstream diversions or changes in reservoir storage.
 The average is computed for the 1961-85 base period.

SNOW MEASUREMENT DATA

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
ASHLEY TWIN LAKES	10500				-	10.5
ATWOOD LAKE	10500	01/25	-	5.2E	5.6	7.5
BEAVER CREEK DIVIDE	8280	01/25	26	6.5E	2.1	8.9
BEAVER DAMS	8000	01/25	-	6.5E	1.4	7.7
BEN LOMOND PEAK	8000	01/25	-	14.3E	18.4	23.7
BEN LOMOND TRAIL	6000	01/25	-	8.4E	7.4	12.5
BEVAN'S CABIN	6450				7.6	5.5
BIG FLAT	10290	1/25	-	14.2E	8.0	11.2
BIRCH CROSSING	8100	01/28	24	6.2	1.7	4.9
BLACK'S FLAT-U.M. CK	9400	01/25	-	5.5E	5.2	7.3
BLACK'S FORK	9200	01/25	-	6.0E	3.5	8.4
BLACK'S FORK GS-EF	9340	01/25	-	4.6E	4.9	6.0
BLACK'S FORK JUNCTN	8930	01/25	-	5.9E	4.8	6.4
BOX CREEK	9300	01/25	-	8.9E	2.8	8.3
BRIAN HEAD	10000	01/25	-	14.2E	8.0	13.0
BRIGHTON	8750	2/01	48	10.5E	-	22.9
BROWN DUCK RIDGE	10600	1/25	-	10.3E	11.3	13.2
BRYCE CANYON	8000	01/27	15	3.6	1.9	3.4
BUCK FLAT	9800	01/25	-	8.5E	5.0	11.0
BUCK PASTURE	9700				-	11.8
BUCKBOARD FLAT	9000	02/02	33	9.0	7.1	8.6
BUG LAKE	7950	01/25	-	9.4E	7.1	12.8
BURT'S-MILLER RANCH	7900	01/25	-	3.1E	2.0	3.7
CAMP JACKSON	8600	2/02	34	9.8	6.2	9.3
CASTLE VALLEY	9580	01/25	-	9.5E	4.8	8.1
CHALK CREEK #1	9100	01/25	-	12.4E	10.1	14.8
CHALK CREEK #2	8200	01/25	-	7.7E	6.7	9.6
CHALK CREEK #3	7500	01/25	-	5.2E	3.4	5.5
CHEPETA	10300	01/25	-	5.8E	5.9	9.1
CHEPETA-WHITERKS. LK	10350				-	9.6
CLEAR CREEK MEADOWS	9420	2/01	-	9.3E	-	15.2
CLEAR CREEK RIDGE #1	9200	01/25	-	8.2E	5.2	12.5
CLEAR CREEK RIDGE #2	8000	01/25	-	6.2E	3.5	9.8
CLEAR CREEK RIDGE #3	6600	01/25	-	4.0E	1.9	5.7
CURRANT CREEK	8000	01/25	-	3.7E	0.3	7.4
DANIELS-STRAWBERRY	8000	01/25	-	6.2E	2.0	10.2
DESERET PEAK	9250				8.9	17.5
DILL'S CAMP	9200	01/25	-	5.3E	2.6	7.9
DONKEY RESERVOIR	9800	01/25	-	5.0E	8.8	4.8
DRY BREAD POND	8350	01/25	-	8.7E	8.6	12.2
DUCK CREEK R.S.	8700	1/25	-	6.7E	3.8	8.8
EAST SHINGLE LAKE	9800				-	18.4
EAST WILLOW CREEK	8250	01/25	-	5.9E	-	7.9
FARMINGTON CANYON	8000	01/25	-	12.6E	10.3	19.7
FARMINGTON CANYON L.	6950	01/25	-	10.1E	8.4	14.9
FARNSWORTH LAKE	9600	01/25	-	10.7E	9.3	11.9
FISH LAKE	8700	01/25	-	5.7E	3.8	5.6
FIVE POINT LAKE	11000	01/25	-	8.7E	7.9	10.1
G.B.R.C. HEADQUARTER	8700	01/25	-	11.3E	5.8	10.4
G.B.R.C. MEADOWS	10000	01/25	-	15.9E	8.7	14.4

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
GARDEN CITY SUMMIT	7600	01/25	-	7.7E	5.1	11.8
GEORGE CREEK	8840				-	14.2
GOOSEBERRY R.S.	8000	01/25	-	10.3E	7.4	7.4
HARDSCRABBLE	6700	01/25	-	9.4E	4.2	13.5
HARRIS FLAT	7700	01/25	-	4.0E	1.5	5.9
HAYDEN FORK	9400	01/25	-	7.5E	5.4	9.8
HENRY'S FORK	10000				-	9.5
HEWINTA G.S.	9500	01/25	-	5.9E	4.9	6.1
HOLE-IN-THE-ROCK	9150	01/25	-	4.8E	2.9	4.0
HOLE-IN-THE-ROCK GS	8300	01/25	-	2.0E	-	1.7
HICKERSON PARK	9100	01/25	-	6.0E	4.9	5.0
HOBBLE CREEK SUMMIT	7420	01/25	-	7.7E	4.2	10.2
HORSE RIDGE	8260	01/25	-	9.9E	8.8	14.3
HUNTINGTON-HORSESHOE	9800	1/25	-	15.3E	9.5	16.1
INDIAN CANYON	9100	01/25	-	6.9E	5.8	8.4
JOHNSON VALLEY	8850	01/25	-	5.1E	2.9	5.0
KILFOIL CREEK	7300	01/25	-	6.8E	6.1	9.8
KIMBERLY MINE(UPPER)	9300	01/25	-	10.6E	8.0	9.8
KING'S CABIN (UPPER)	8730	01/25	-	2.9E	4.3	6.9
KLONDIKE NARROWS	7400	01/25	-	8.8E	5.6	13.4
KOLOB-CRYSTAL	9250	01/25	-	16.4E	4.1	13.9
LAKEFORK BASIN	11100	01/25	-	7.4E	9.6	13.2
LAKEFORK MOUNTAIN #1	10200	01/25	-	7.0E	5.3	7.2
LAKEFORK MOUNTAIN #3	8400	01/25	-	4.1E	1.8	4.6
LAMBS CANYON	7400	1/26	33	8.8	7.8	11.3
LASAL MOUNTAIN LOWER	8800	2/02	26	7.2	6.0	6.5
LASAL MOUNTAIN (UPP)	9850	2/02	42	11.2	10.8	11.1
LIGHTNING LAKE	10500	01/25	-	13.1E	9.4	15.2
LILY LAKE	9050	01/25	-	6.1E	5.2	9.6
LITTLE BEAR (LOWER)	6000	01/25	-	5.0E	4.0	7.7
LITTLE BEAR (UPPER)	6550	01/25	-	5.6E	4.5	8.7
LITTLE GRASSY CREEK	6100	01/25	-	4.6E	1.0	3.6
LONG FLAT	8000	01/25	-	5.1E	3.5	4.9
LONG VALLEY JCT.	7500	1/25	-	1.4E	0.4	4.3
LOST CREEK RESERVOIR	6130	01/25	-	2.6E	2.1	4.1
MAMMOTH-COTTONWOOD	8800	01/25	-	13.3E	5.6	14.0
MERCHANT VALLEY (UP)	8750	01/25	-	8.9E	1.9	7.7
MIDDLE BEAVER CREEK	8650				-	3.0
MIDDLE CANYON	7000				8.8	8.7
MIDWAY VALLEY	9800	01/25	-	17.4E	9.0	13.4
MILL CREEK	6950	01/28	32	9.1	10.2	12.3
MILL D SOUTH FORK	7400	01/28	32	9.0	10.0	13.0
MONTE CRISTO R.S.	8960	01/25	-	12.3E	6.4	16.1
MOSBY MOUNTAIN(LOW)	9500	01/25	-	5.0E	3.1	6.5
MT.BALDY R.S.	9500	01/25	-	12.4E	7.6	15.3
MUD CREEK #2	8600	01/25	-	8.4E	3.7	9.2
OAK CREEK	7760	01/25	-	6.1E	3.6	7.9
ONE MILE SUMMIT	7330				-	3.8
OTTER LAKE	9600	1/25	-	10.7E	6.0	8.4

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
PANQUITCH LAKE	8200	01/25	-	4.1E	1.7	4.1
PARADISE PARK	10100	01/25	-	5.5E	5.3	9.2
PARLEY'S CANYON SUM.	7500	1/26	34	9.1	8.3	12.4
PAYSON R.S.	8050	01/25	-	10.4E	5.2	12.2
PICKLE KEG SPRING	9600	01/25	-	8.2E	4.8	10.2
PINE CANYON	8000	01/25	-	8.0E	7.1	13.2
PINE CREEK	8800	01/25	-	12.5E	3.5	11.5
REDDEN MINE LOWER	8500	01/25	-	7.5E	6.7	11.5
RED PINE RIDGE	9200	01/25	-	10.1E	6.4	11.0
REES'S FLAT	7300	01/25	-	8.4E	4.8	8.8
REYNOLDS PARK	10400				-	10.7
ROCK CREEK	7900	01/25	-	4.7E	0.7	5.7
ROCKY BASIN-SETTLEMT	8900	01/25	-	9.5E	12.4	18.9
SEELEY CREEK R.S.	10000	01/25	-	11.4E	4.0	10.3
SERGEANT LAKES	8300				-	11.2
SHINGLE MILL	6200	01/28	28	7.1	2.9	6.4
SILVER LAKE(BRIGHT.)	8730	01/28	34	9.6	10.6	16.1
SMITH & MOREHOUSE	7600	01/25	-	5.8E	5.2	8.9
SNOWBIRD GAD VALLEY	9700	01/29	45	13.0	-	24.6
SOAPSTONE R.S.	7800	1/25	-	6.5E	2.7	8.5
SPIRIT LAKE	10300	01/25	-	5.9E	8.5	7.8
SQUAW SPRINGS	9300	01/25	-	5.2E	1.2	4.7
STEEL CREEK PARK	10100	01/25	-	8.5E	10.7	10.5
STILLWATER CAMP	8550	01/25	-	5.3E	3.9	7.0
STRAWBERRY DIVIDE	8400	1/29	35	9.9	5.7	12.8
STUART R.S.	7950	01/25	-	5.7E	2.0	6.2
SUSC RANCH	8200	01/28	27	6.3	1.8	5.8
TALL POLES	8800	01/28	38	9.7	4.9	9.1
THAYNES CANYON	9200	01/25	39	9.5	11.5	-
THISTLE FLAT	8500				-	9.9
TIMPANOGOS DIVIDE	8140	01/25	-	11.5E	10.4	16.9
TONY GROVE LAKE	8400	01/25	-	15.5E	9.5	24.2
TONY GROVE R.S.	6250	01/25	-	5.9E	3.3	8.9
TRIAL LAKE	9960	01/25	-	11.3E	7.5	16.1
TROUT CREEK	9400	01/25	-	5.4E	3.1	7.0
UPPER JOES VALLEY	8900	01/25	-	7.7E	3.1	7.0
VERNON CREEK	7500	01/25	-	5.2E	3.1	7.7
VIPONT	7670				-	10.1
WEBSTER FLAT	9200	01/25	-	13.8E	1.8	10.9
WHITE RIVER #1	8550	01/25	-	7.6E	3.8	9.4
WHITE RIVER #3	7400	01/25	-	7.6E	2.1	6.3
WIDTSOE-ESCALANTE #3	9500	01/25	-	9.3E	9.8	7.1
WRIGLEY CREEK	9000	01/25	-	5.5E	2.7	7.1
YANKEE RESERVOIR	8700	01/25	-	7.1E	4.1	6.1



United States
Department of
Agriculture

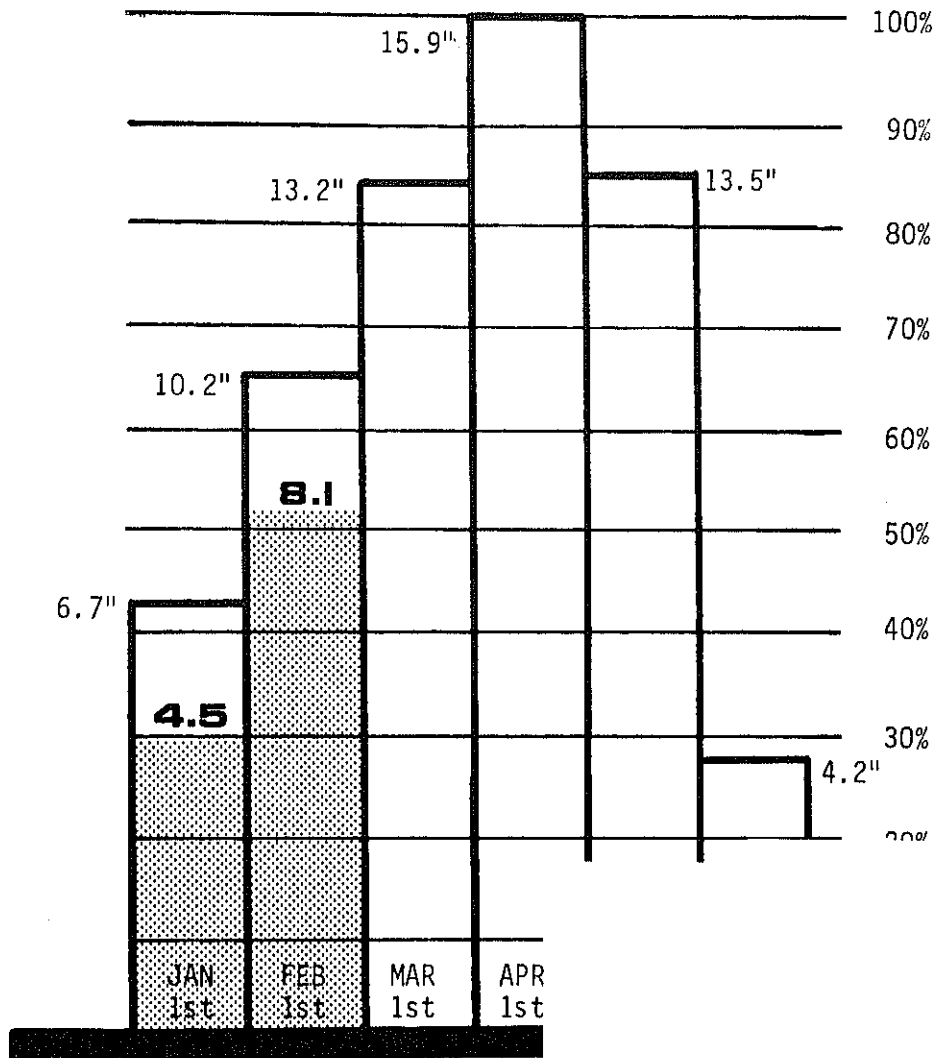
Soil
Conservation
Service

Salt Lake City,
Utah



Utah Snowpack Progress

1988



Statewide

NOTE :

Snow water equivalent in inches is amount (100%). Monthly average

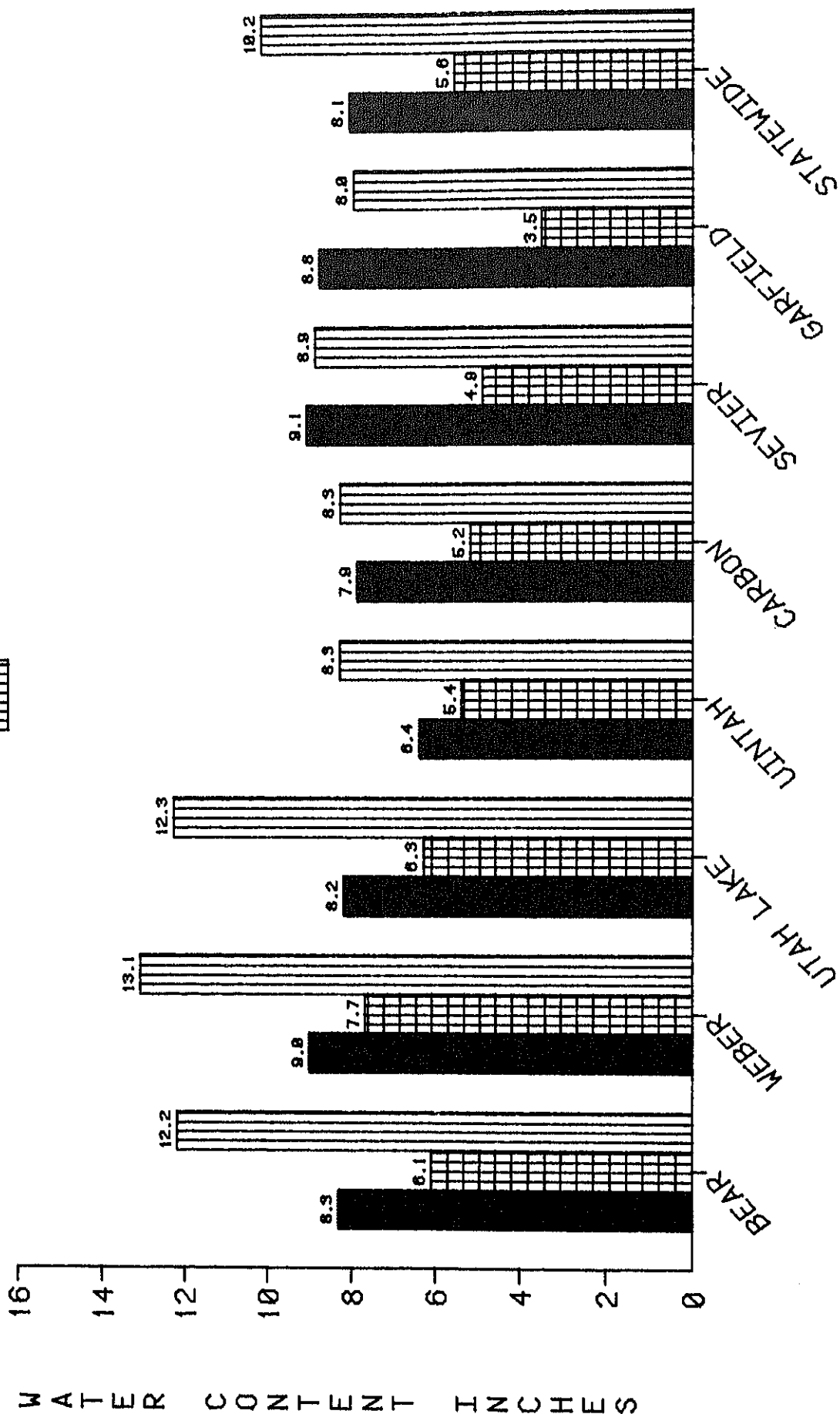
Averages are for the period 1961-

1988 SNOWPACK COMPARISON

February 1, 1988

02/01/87

02/01/88
02/01 AVERAGE



The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

State

Utah State University
Utah State Department of Natural Resources
Division of Wildlife Resources
Division of Water Resources
Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

Federal

U.S. Department of Agriculture
Soil Conservation Service
Forest Service
U.S. Department of Commerce
NOAA, National Weather Service
U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

Municipality

Manti
Salt Lake City

Public

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Central Utah Conservancy District
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association
Weber River Water Users Association
Weber Basin Conservancy District

Other organizations and individuals furnish
information for the snow survey reports.
Their cooperation is gratefully acknowledged.

All programs and services of U.S. Dept.
of Agriculture are available to everyone
without regard to race, creed, color, sex,
age, handicap, or national origin.